THE CLOUD DATA PLATFORM FOR GOVERNMENT

Enable any data workload on any cloud with a simple, powerful, and flexible platform.

SINGLE, UNIFIED PLATFORM
Consolidate data warehouses, data marts, and data lakes into a single source of truth with Snowflake Cloud Data Platform's multi-cluster shared data architecture.

CROSS-REGION, CROSS-CLOUD
Distribute your data across regions or even across cloud providers. With Snowflake's cloud-agnostic platform, mix and match clouds as you see fit.

ALL YOUR DATA
Support a broad range of workloads with data sets stored in the cloud, at scale, and in their native formats, without complex transformations.

FULLY MANAGED SERVICE LAYER
Authenticate user sessions, manage resources, enforce comprehensive security measures, compile queries, enable data governance, and ensure ACID compliant transaction integrity.

INSTANT, EFFICIENT, AND NEAR-INFINITE SCALE
Elastically scale compute resources dedicated to each workload, automatically or on the fly, to preserve peak performance and take advantage of per-second pricing to avoid paying for idle capacity.

GLOBAL DATA SHARING
Instantly and securely share governed data across your organization and with external partners without having to copy or move data.

ALL THE DATA FOR RAPID, RELIABLE INSIGHTS

Conventional data warehouses and big data platforms have struggled to deliver on their fundamental promise to make it easy to amass many types of data, enable rapid analytics, and deliver reliable insights to all your business users.

While there are many compelling reasons for moving data and analytics to the cloud, forward-thinking organizations are looking beyond the benefits of isolated cloud implementations. They are tired of analytic solutions that create a multitude of data silos, in the cloud and elsewhere, that increase complexity for IT professionals and delay time to value for business users. They want to combine multiple types of data and a diverse array of analytic initiatives into a progressive and extensible cloud strategy.

THINK LONG-TERM

Snowflake Cloud Data Platform was created to help organizations of all sizes break free from the limitations of conventional software solutions. Our patented multi-cluster shared data architecture easily and securely enables a wide variety of workloads—data warehouses, data lakes, data pipelines, and data exchanges—and many types of business intelligence, data science, and data analytics applications.

In addition, the platform easily loads, integrates, and analyzes all types of structured and semi-structured data inside a unified repository that seamlessly operates across clouds and across regions, while supporting these workloads and applications. With Snowflake, you can also collaborate across all of the business units of your organization, with your customers, and with external business partners by seamlessly and securely sharing data to make timely, data-driven decisions.

With Snowflake Cloud Data Platform as your foundation, you can shift your focus from managing a sprawl of disparate infrastructure to deriving insights from all your data, by all your users, and all within a simple, powerful, and flexible solution.

DATA
SOURCES

OLTP DATABASES

GOVERNMENT
APPLICATIONS

THIRD-PARTY

WEB/LOG DATA

IoT

DATA ENGINEERING · DATA LAKE · DATA WAREHOUSE · DATA SCIENCE · DATA APPLICATIONS · DATA EXCHANGE

snowflake®

DATA
CONSUMERS

PARTNERS & CITIZENS

OPERATIONAL
REPORTING

AD HOC ANALYSIS

REAL-TIME ANALYTICS

Google Cloud · aws · Azure

*Only a unique multi-cluster architecture that works with any cloud delivers a host
of powerful services to enable many of modern use cases and workloads.*

START WITH THE RIGHT CLOUD ARCHITECTURE

While traditional and "cloud-washed" data warehouses and data lakes are difficult to scale, Snowflake allows you to scale storage and compute resources independently, maximizing flexibility as you add users, data, and workloads.

- **Any Cloud:** Built on versatile blob storage, the storage layer holds your data, tables, and query results. This scalable repository handles both structured and semi-structured data and can span multiple regions and clouds.

- **Multi-Cluster, Shared Data Services:** The services layer includes the compute horsepower to process enormous quantities of data with maximum speed and efficiency, thanks to Snowflake's unique architecture. You can specify the number of dedicated clusters you want to use for each workload or let the service scale automatically.

- **Many Workloads:** Snowflake enables a wide variety of workloads and applications, including data warehouses, data lakes, data pipelines, and data exchanges as well as business intelligence, data science, and data analytics applications.

- **Secure and Compliant:** Snowflake meets NIST 800-145 requirements and is FedRAMP Authorized (Moderate). Snowflake also meets SOC1 Type 2, SOC2 Type 2, ISO 27001, FISMA Moderate, NIST 800-171, FIPS 140-2, ARS 3.1 PCI DSS, and HIPAA standards.

Snowflake automates everything from how data is stored and processed to transaction management, security, governance, and metadata management. All you have to worry about is loading and querying your data, and Snowflake takes care of the rest.

ONE PLATFORM, NO HEADACHE, ALL THE POSSIBILITIES

Intelligent data acquisition, management, and analytics have become important requirements for IT modernization and for using data as a strategic asset in government. Standardizing on Snowflake Cloud Data Platform allows you to shift your focus from managing infrastructure to managing data, and to obtaining every possible insight from that data. Having a unified cloud repository enabling a single source of truth makes it easy to analyze your data and share it externally as part of a broad cloud ecosystem.

This unique architecture allows you to run multiple workloads across multiple teams and agencies without resource contention, maximizing performance and efficiency. Since Snowflake is delivered as a service, you can spend your time extracting value from your data rather than managing the pipelines used to deliver that data.

Snowflake works with leading technology offerings to build a complete solution. From data integration and ingestion to data science and business intelligence, Snowflake works directly with the tools you already own, allowing you to get better value from your data and technology investments.

Delivered as a service, and with consistent functionality across multiple clouds, Snowflake's advanced architecture allows one cohesive platform to serve all types of users and workloads in a consistent way. Centralizing data in a unified, governed, managed data platform allows all authorized users to access accurate and timely data for analysis.

MULTI-CLUSTER COMPUTE ARCHITECTURE

Snowflake's unique architecture separates storage from compute. There's no resource contention, and there are no limits on how many queries or other workloads you can execute or how many users can access the same single source of truth. All workloads can simultaneously leverage the compute power they need, when they need it.

UNIVERSAL PLATFORM SERVICES

The cloud services layer unifies security, governance, and metadata management. It protects your data and optimizes the performance of each workload, eliminating resource contention and guaranteeing transactional consistency for all your data.

ELASTIC, MULTI-FACETED STORAGE

Snowflake lets you store a wide array of data types in their native forms, without creating new data silos. Automatic and near-infinite cloud elasticity releases the resources you need, when you need them, and you never have to pay for idle capacity.

ROBUST TRANSACTION MANAGEMENT

Snowflake Cloud Data Platform supports accurate data loading and analytics on mixed data formats with complete transactional integrity. This modern architecture guarantees the accuracy of all database transactions and ensures optimal performance for all types of query activity.
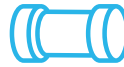
INDUSTRY-LEADING SECURITY AND GOVERNANCE

Every aspect of Snowflake is geared toward protecting your data, both in transit and at rest, with an emphasis on encryption, access control, data storage, and physical infrastructure in conjunction with comprehensive monitoring, alerts, and cybersecurity practices.

COMPREHENSIVE METADATA MANAGEMENT

With all your data and metadata integrated in a single system, your user community can more easily obtain data-driven insights. Snowflake gives you a single, unified system for easily storing and analyzing vast amounts of data in the cloud.

CONTINUOUS DATA PIPELINES

Snowflake includes a serverless ingestion service called Snowpipe, which uses a REST API to asynchronously load data. Snowflake's streams and tasks make it easy to schedule data loads for SQL jobs. The platform automatically transforms data into the type and shape required for each target table. An Apache Kafka connector lets you continuously stream JSON records for storage and analysis.

OPTIMIZED DATA LAKE MANAGEMENT EXTENDING THE VALUE OF YOUR DATA LAKE

Snowflake external tables work with data directly stored in your Amazon S3, Azure Blob Storage, or Google Cloud Platform data lake. Materialized views on these external tables let you materialize all or just the portion of the data set that you use most frequently, eliminating the need to build an ETL layer or orchestration pipeline.

GLOBAL DATA REPLICATION AMONG MULTIPLE CLOUDS

Snowflake's cross-cloud data platform enables free and secure movement of data anywhere in the world, while also allowing you to select cloud storage vendors that meet the needs of each application or business unit.

HIGH AVAILABILITY AND AUTOMATED FAILOVER

Snowflake replicates data across multiple regions and clouds. This global footprint guarantees instant access and recovery for databases of any size, anywhere in the world.

SECURE DATA SHARING

With Snowflake Secure Data Sharing, you don't have to copy or move your data to share data within your organization, with other agencies, or with partners. Data is live, ready to use, and always fresh. Snowflake leverages SQL to streamline data access, loading, and querying.

SNOWFLAKE DATA MARKETPLACE

Snowflake makes it easy to source external data from Snowflake Data Marketplace and enables you to create your own data exchange to improve collaboration with citizens, other agencies, state and local governments and public and private partners.

DATA AS A STRATEGIC ASSET

The President's Management Agenda and the OPEN Government Data Act (HR 1770) have created an environment that helps federal agencies drive cloud adoption and data collaboration to a greater degree than ever before. Cross-Agency Priority (CAP) goals are used to implement the President's Management Agenda.

The first question that every government agency should be asking itself is this: "Does our current data warehousing solution use the best technology to enable us to achieve our mission's goals while being good stewards of taxpayer resources?" Any agency that cannot answer that question with an unqualified "yes" should seriously reconsider replacing its current data warehousing solution with a cloud data platform. This is especially true if your agency is still relying on a traditional on-premises data warehouse designed for the 1970s.

A clear objective of the United States Government is to leverage data as a strategic asset to grow the economy, increase the effectiveness of the federal government, facilitate oversight, and promote transparency. The federal government needs a robust, integrated approach to using data to deliver on mission, serve customers, and steward resources while respecting privacy and confidentiality.

CHOOSING THE RIGHT CLOUD DATA PLATFORM IS CRITICAL TO ACHIEVING AN AGENCY'S CLOUD SMART OBJECTIVES. WITH SNOWFLAKE, FEDERAL AGENCIES CAN:

- Make better, quicker business decisions

- Instantly, cost-effectively, and near-infinitely scale storage and compute

- Create a data-driven journey for all users and citizens

ABOUT SNOWFLAKE

Thousands of customers deploy Snowflake Cloud Data Platform to derive all the insights from all their data by all their business users. Snowflake equips organizations with a single, integrated platform that offers the only data warehouse built for any cloud; instant, secure, and governed access to their entire network of data; and a core architecture to enable many other types of data workloads, such as developing modern data applications. Find out more at **snowflake.com/federal.**

snowflake.com   #YourDataNoLimits